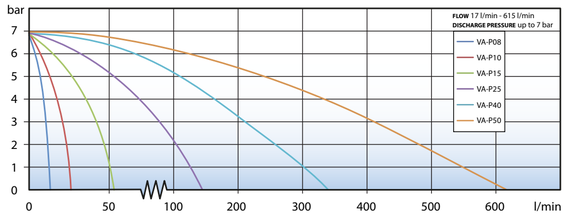
Important facets of the Pure

Air valve in cartridge design
The efficient Verderair Pure quick acting air valve in cartridge design offers you benefits such as:

- 100% of the compressed air is used to move the liquids. None of the compressed air stays unused
- Low noise level
- Also if oil-free compressed air is a requirement the Verderair Pure is a perfect choice

Easy maintenance
The seats and valves of the Verderair Pure double diaphragm pump can be removed and exchanged without the need to disassemble the pump. This is a huge advantage in comparison to other double diaphragm pumps. Simply remove the plug and you can access the seat and valve for maintenance or inspection.

One seat fits ball and cylinder valve
Whether the pump is equipped with ball valves or cylinder valves the seat remains the same. If at any later time in the process the pump needs to be refitted for the type of valve the seats do not need to be exchanged.



Spare kits
Verderair Pure series offer spare kits for parts that are exposed to normal wear.

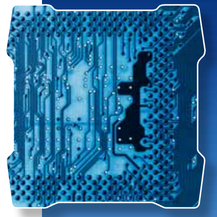
Accessories
The Verderair Pure double diaphragm pumps offer a range of accessories such as pulsation dampeners, barrier chambers, diaphragm monitoring, stroke counters & drain down systems.

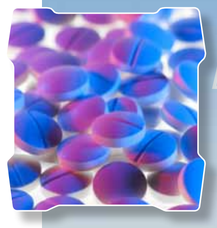
Application areas

- Semi conductor
- Electronics
- Solar power
- Chemicals transfer
- Pharmaceutical
- Power plants
- Refineries
- And many others

Applications

- Recirculation of cutting agents for silicon ingots (slurry of glycol with powdered silicon carbide)
- Recirculation of polishing slurry for silicon wafers
- Pumping of anti reflecting coating for silicon (coating made of titanium dioxide and silicon oxide)
- Pumping chemical fluids
- Ceramic glaze supply





VERDER
3 California Drive,
Castleford WF10 5QH
United Kingdom

TEL +44 (0)1924 221 001
FAX +44 (0)113 246 5649
MAIL info@verder.co.uk
WEB www.verder.co.uk

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VERDERAIR® PURE

NEW NEW NEW NEW NEW

Pure & Solid

Some of many facets

Purest Materials

Finest Quality

Longest Durability

Most Solid Design

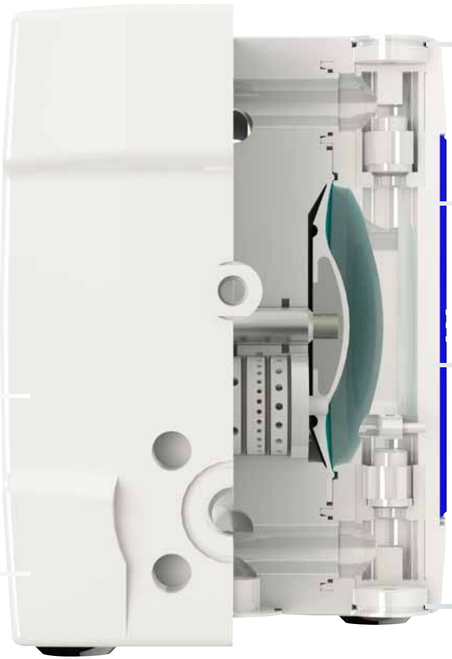
The Most Efficient Diaphragm Pump

VERDER
passion for pumps

Some of many facets of the VERDERAIR® PURE

The Verderair Pure is a new, robust, premium series of double diaphragm pumps, produced from one-piece solid and pure material (PE and PTFE and also conductive). The Verderair Pure is designed for heavy-duty operation, harsh liquids and severe process conditions, such as manufacturing of photovoltaic solar panels.

In addition the Verderair Pure pumps handle a huge diversity of fluids, whether they are high or low viscosity, abrasive or thixotropic, hazardous or toxic. Sludge, acids, alkalis, solvents, slurries, emulsions, mixtures of liquids and solids, resins, powders. Conductive versions for ATEX applications are available. Each pump is duly tested before dispatch.



Purest Materials
- *Polyethylene 1000 (PE 1000 UHMW)*
- *Polytetrafluoroethylene (PTFE)*
- *Polyethylene conductive*
- *Polytetrafluoroethylene conductive*

Finest Quality
- *Best abrasive resistant: PE*
- *Best chemical resistant: PTFE*

Longest Durability
- *Fewer material stress points*
- *No need for inserts to handle higher pressures*

Most Solid Design
- *Machined and not injection molded*
- *Mounted on feet: less material stress*
- *Better handling and toleration of mechanical forces than injection molded units.*

Highest Efficiency
- *Increased productivity through an up to 30% higher flow rate*
- *Reduced operational cost because of lower air consumption and reduced maintenance*
- *Improved working environment due to lower noise levels*

Fully Non-Metallic
- *No wetted metal parts*
- *No metal parts in contact with the atmosphere*

VERDERAIR® PURE